

Date: Sat, 16 Apr 94 04:30:09 PDT  
From: Ham-Ant Mailing List and Newsgroup <ham-ant@ucsd.edu>  
Errors-To: Ham-Ant-Errors@UCSD.Edu  
Reply-To: Ham-Ant@UCSD.Edu  
Precedence: Bulk  
Subject: Ham-Ant Digest V94 #107  
To: Ham-Ant

Ham-Ant Digest                      Sat, 16 Apr 94                      Volume 94 : Issue 107

Today's Topics:

                    bicycle antennas  
                    Coax Loss on HF  
            Getting ladder line out of the shack

Send Replies or notes for publication to: <Ham-Ant@UCSD.Edu>  
Send subscription requests to: <Ham-Ant-REQUEST@UCSD.Edu>  
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Ham-Ant Digest are available  
(by FTP only) from UCSD.Edu in directory "mailarchives/ham-ant".

We trust that readers are intelligent enough to realize that all text  
herein consists of personal comments and does not represent the official  
policies or positions of any party. Your mileage may vary. So there.  
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Date: Fri, 15 Apr 1994 19:00:55 GMT  
From: ihnp4.ucsd.edu!usc!howland.reston.ans.net!math.ohio-state.edu!  
magnus.acs.ohio-state.edu!csn!col.hp.com!srngenprp!alanb@network.ucsd.edu  
Subject: bicycle antennas  
To: ham-ant@ucsd.edu

John Bate (jbate@rtp-nc.mentorg.com) wrote:

: Does anyone have any good ideas about building a bike antenna  
: and the mount. I am trying get some info about a decent gain  
: 2m antenna, probably 1/2 or 5/8 wave. I plan on putting a  
: flag on the top to help make my bike visible so height is  
: not too much of a problem.

The problem with mounting a J-pole or other large antenna on the  
rear of the bike is that it makes it hard to mount/dismount the bike.  
(When you try to throw your leg over the seat in the normal way.)  
A flexible 1/4-wave whip works almost as well as a bigger antenna and  
is much less of an obstruction. You will need a ground plane to work it  
against: I have found that a standard metal bike rack works just fine.

You can put your battery (and radio) in a pannier mounted on the rack.

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Date: Fri, 15 Apr 1994 15:35:16 GMT  
From: fluke!chuckb@beaver.cs.washington.edu  
Subject: Coax Loss on HF  
To: ham-ant@ucsd.edu

In article <gbrentCo1yHy.7nE@netcom.com> gbrent@netcom.com (Gerald J. Brentnall) writes:

>

>As Murphy's Law would dictate, the best trees and location for my 80/40  
>meter dipole are at a point on my property quite distant from the ham  
>shack. If I were to put the dipoles up at that point, my coax run would  
>be approximately 350 feet.

>

>Does anybody have any experience with long runs of coax at hf? With good  
>quality coax, I can't imagine the loss would be that great. Theory is  
>one thing - anybody have any experience? Would appreciate all comments.

I just made measurments of power loss at my station with about 180' of  
Belden 8217 (RG 213). I connected a 50 ohm dummy load to the end of the  
coax run and measured the power output of my Icom 737 at the rig end first.  
It was very close to 100W on 80 thru 10.

Next I measured the power at the far end of the coax on the same bands:

80: 100W (NO MEASUREABLE LOSS)  
40: 95W  
20: 80W  
15: 75W  
10: 66W

I would not worry about 350' of coax on 80 or 40.

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Fluke Corporation / MS 232E / PO Box 9090 / Everett WA 98206-9090

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Date: Fri, 15 Apr 1994 16:31:06 GMT  
From: ihnp4.ucsd.edu!swrinde!cs.utexas.edu!csc.ti.com!tilde.csc.ti.com!cauldron!  
ra.csc.ti.com!fstop.csc.ti.com!sbrown@network.ucsd.edu  
Subject: Getting ladder line out of the shack

To: ham-ant@ucsd.edu

In article <Co7vFu.89s@cbnews.cb.att.com> hellman@cbnews.cb.att.com  
(eric.s.hellman) writes:

> In article <2oej7h\$poq@paperboy.gsfc.nasa.gov>, lvn@cen.com (Larry Novak)  
writes:

> > I use a similar technique to get my coax and ground wires out of the  
> > shack, but I'd hate to tell you how much plastic I cut to size and then  
> > shattered trying to drill/punch/cut holes in it. I finally resorted to  
> > melting holes thru it with my soldering iron! Does anyone have any good  
> > suggestions about how to stop this stuff from cracking when you're  
> > putting holes in it?

> >

> > Thanks,

> > Larry, K3TLX

> >

>

> Larry: use a drill bit that is ground for cutting Brass. Bits that are  
> ground for steel will gall.

> You can buy them with the correct angle for brass or regrind one.

You can also buy drill bits that are ground to cut plastic. The same  
dealer that you got your plastic from should be able to fix you up.

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*****
| Steve Brown, WD5HCY           |
| sbrown@charon.dseg.ti.com    | Simplicate |
| wd5hcy@wd5hcy.ampr.org       | and add  |
| [44.28.0.61]                 | lightness. |
| wd5hcy@kf5mg.#dfw.tx.usa.na |           |
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End of Ham-Ant Digest V94 #107

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